

APPENDIX 6

STRATEGIC LIST MATERIALS

A. GENERAL. Strategic List Items (**SLIs**) are dual-use (commercial and military) items under the export control jurisdiction of the Bureau of Export Administration (**BXA**), Department of Commerce, which have been assigned a code letter "A" or "B" following the ECCN on the CCL, Section 799.1, of the EAR, 15 CFR. These commodities are controlled for reasons of national security, foreign policy concerns, nuclear nonproliferation, short supply (resource assessment) and crime control (foreign policy). DoD item/technical managers will assign a demilitarization code of "Q" to these items if they fall outside of the criteria of an MLI. Items which **fall** outside of the criteria for both Munitions and SLI **will** be assigned a demilitarization code of "A."

B. COMMODITY CONTROL **LIST**. The following is the CCL, excerpted from the EARs. This list is included for general guidance in identifying commodities which are considered SLIS for the purposes of this manual. Final determination must be based on a review of the specific commodity interpretation in 15 CFR, Part 799.1, and a commodity listed in this section must not be construed as **all** inclusive (e. g., Absorbers, electromagnetic wave, ECCN 1561A, include only those which have frequencies exceeding 2×10^8 Hz and less than 3×10^{12} Hz, with three exceptions).

COMMODITY DESCRIPTION	ECCN
Absorbers, electromagnetic wave	1561A
Accelerators, particle (specified)	4261B
Accelerometers (specified) and production equipment specially designed therefor	1485A
Acoustic wave devices, bulk volume	1586A
Acoustic wave devices, surface	1586A
Aero-engines and parts, not elsewhere specified (n.e.s.)	1460A
Aircraft/helicopters/engines, nonmilitary (specified)	1460A
Aircraft, other nonmilitary, fixed-wing	1460A
Aluminizes of titanium (specified)	1672A
Ammonia (specified)	4778B
Ammunition parts and components	2603A
Analog computers (specified) and parts/accessories therefor	1565A
Analog-to-digital and reverse converters	1568A
Analog-to-digital converters	4564B
Analog-to-digital converters; electrical input type	4568A
Anti-friction bearings (specified)	1371A
Artificial graphite (specified)	1673A
Automatic pilots (non-aircraft) and production equipment specially designed therefor	1485A
Aviation gasoline	4782B
Bacteria/fungi/protozoa	4998B
Beryllium metal/compounds/alloys (specified)	3609A
Beryllium-oxide ceramic/refractory products	3709A
Boilers, marine (specified)	2409A
Boron metal/compounds/mixtures	1715A
C.A.D. equipment/programs for semiconductor/microcircuit manufacturing	1355A
Cable, coaxial communications	1526A
Cable, communications/other coaxial	1526A

COMMODITY DESCRIPTION	ECCN
Cable, submarine	1526A
Calcium, high purity	4638B
Camera shutters (specified)	1585A
Cameras (specified)	1585A
Cameras, streak and components for (specified)	1585A
Capacitors, storage, high energy	1560A
Carbon dioxide	4778B
Carbon monoxide	4778B
Catalysts, specially designed	3712A
Cedar, western red	4996B
Centrifugal balancing machines (specified)	4360B
Ceramics, composites, powders and precursors	1733A
Chambers, environmental (specified)	2319A
Chemical agents including tear gas, fingerprint materials	4799B
Chemicals, inorganic (specified)	4778B
Chlorine trifluoride	3711A
Communication equipment, airborne	1501A
Communication equipment, airborne, using frequency synthesizers and parts/accessories therefor	1531A
Communications/detection/tracking equipment, u-v/i-r/ultrasonic	1502A
Communications intercepting devices and parts for	4517B
Compasses/gyroscopes/accelerometers (specified) and production equipment specially designed therefor	1485A
Compasses, gyro/gyro-astro (specified) and production equipment specially designed therefor	1485A
Composites (specified)	1757A
Compounds/materials (specified)	1757A
Compressors/blowers for hydrogen sulfide	4337B
Computing equipment, electronic and parts/accessories therefor	1565A
Construction equipment (to military specifications)	2317A
Containers for liquid fluorine	1145A
Crime detection/ analysis equipment	5597B
Crime-science laboratories, mobile, nonmilitary	5480B
Cryogenic equipment/materials (specified)	2120A
Cryptographic and ancillary equipment	1527A
Crystal pullers/furnaces/gas systems	1355A
Crystalline silicon (specified)	1757A
Cylindrical disks (specified)	4677B
Data communication equipment	1519A
Deep submergence vehicles and equipment/components/materials, specified, therefor	1418A
Detection/tracking equipment, infrared/ultraviolet	1502A
Devices for chemical/solar/nuclear to electric energy conversion	1205A
Diesel engines, nonmagnetic military	2409A
Diesel engines, submarine	2409A
Digital computer peripherals and parts/accessories therefor	1565A
Digital computers/differential analyzers and parts/accessories therefor	1565A
Digital instruments incorporating computing facilities and parts/accessories therefor	1529A
Digital test/measuring/counting apparatus and parts/accessories therefor	1529A
Dimensional inspection systems/components/software	1099A

COMMODITY DESCRIPTION	ECCN
Direct numerical control systems	1091A
Display peripherals and parts/accessories therefor	1565A
Electric/electronic equipment (high technology, specified)	1568A
Electro-optical devices (specified)	1568A
Electrolytic cells for fluorine production	3363A
Electron tube manufacturing equipment (specified)	1355A
Electron video tubes/specialized components (specified)	1555A
Electronic assemblies and integrated circuits	1564A
Electronic device manufacturing equipment (specified)	1355A
Electronic devices, circuits and systems, specially designed	1574A
Electronic equipment for testing/measuring/developing microprocessors and microcomputers	4529A
Electronic vacuum tubes (valves) (specified)	1558A
Engines, marine gas turbine	— 1431A
Equipment and materials, miscellaneous (specified)	2317A
Equipment/components/software, specialized, for 1388A	1388A
Equipment, electronic, specially designed to service computers (n.e.s.)	6594A
Equipment for incorporating lasers (specified)	1522A
Equipment for maintaining super-low temperatures	2120A
Equipment for manufacture/test of high technology memory/switching devices	1358A
Equipment for measuring pressures (specified)	4592B
Equipment for production of explosives/propellants	2118A
Explosives/propellants/fuels (listed)	2708A
Extrusion machinery for fluorocarbon materials	1352A
Fibrous/filamentary materials (specified)	1763A
Film, aerial camera (specified)	4585B
Film, instrumentation/recording (specified)	4585A
Fingerprint equipment/analyzers	5597B
Flatbed microdensitometers (specified)	1534A
Fluids and lubricating materials	1710A
Fluorocarbon compounds/manufacturers (specified)	1754A
Frequency-standard generators, high-precision and parts/accessories therefor	1 5 2 9 A
Frequency synthesizers and equipment containing same (specified) and parts/accessories therefor	1531A
Fuel cells (specified)	1205A
Gallium compounds, monocrystalline	1757A
Gas liquefying equipment (specified)	1110A
Gas, turbine blade/vane-making equipment	1080A
Gas, manufactured	4784B
Gear making/finishing machines	1088A
Gilding metal-clad steel/munitions materials	2616A
Gravity meters and components	1595A
Ground/marine navigation/d-f equipment	1501A
Gun honing machines	2018A
Guns/devices. for crowd control	5998B
Guns, immobilization, and projectiles for	5998B
Gyrostabilizers (specified) and production equipment specially designed therefor	1485A
Hafnium metal/compounds/alloys (specified)	3608A

COMMODITY DESCRIPTION	ECCN
Helicopters (specified)	1460A
Helium (and mixtures containing)	4778B
Helium, enriched in isotope	34721B
Helmets and shields, police	5999B
Horses (for export by sea)	4999B
Hydrogen	4778B
Iridium compounds, monocrystalline	1757A
Induction, hardening machines (for tank turret components)	2018A
Instruments for direct recording of sinusoid waves (specified)	1572A
Integrated circuits, monolithic (specified)	1564A
Inverters/converters/frequency changers/generators (specified)	4569B
Laser measuring devices	1522A
Lasers. and components/parts, specified, therefor	1522A
Lasers/laser systems and components/parts, specified, therefor	1522A
Lead azide (and composites containing)	1701A
Liquid fluorine production equipment	1110A
Liquid hydrogen production equipment	1110A
Lithium metal/compounds/alloys (specified)	3607A
LSI masks/substrates/mask-making and related equipment	1355A
Lubricants/dielectrics (made of 1754A (a))	1754A
Machinery for aircraft manufacture (specified) and parts/accessories, specified therefor	1081A
Machinery for making communication cable	1353A
Machinery for military equipment manufacturing/testing , specialized	2018A
Machines for manufacture of jet/gas turbine engines	1086A
Machines for turning optical-quality surfaces	1370A
Magnesium, high purity	4 6 5 4 B
Magnetic metals (specified)	4654B
Magnetic/pressure/acoustical underwater detection, devices	2409A
Magnetometers (specified)	2409A
Mandrels and bellows forming dies	4094B
Manned submersible vessels	2418A
Manufacturing/inspection machines, numerically controlled	1091A
Measuring/calibrating/testing equipment, electronic and parts/accessories therefor	1529A
Measuring equipment, electronic	1529A
Measuring equipment, electronic and parts/accessories therefor	1529A
Metal alloys, powders and materials	1610A
Microcircuit assembly equipment	1355A
Microcircuits (specified)	1564A
Microcircuits, film type (specified)	1564A
Microwave assemblies/subassemblies (specified)	1537A
Microwave equipment (specified)	1537A
Military equipment	2901A
Military helmets “--”	2913A
Military nuclear reactor-related power generating/propulsion equipment	3362A
Military training equipment	2414A
Military training equipment-	2460A
Mixers, batch, specially designed for mixing solid propellants	4118A
Motors, submarine-propulsion electric	2409A

COMMODITY DESCRIPTION

ECCN

Naphtha	4782B
Natural gas liquids (in Supplement 2 to Part 777)	4783A
Naval equipment (specified)	2409A
Navigation/direction-finding equipment	1501A
Neutron generator systems (specified)	3261A
Nickel powder/porous metal	3605A
Nozzles, specially designed for producing materials from precursor gases	4302B
Nuclear reactor/nuclear power plant-related equipment	4363B
Numerical control equipment (specified)	1091A
Oils, distillate fuel	4782B
Optical/optical tube elements	1556A
Packings of phosphor bronze mesh, specialized	4674B
Panoramic/digitally-controlled radio receivers	1516A
Petroleum coke	— 4782B
Petroleum commodities (in Supplement 2 to Part 777)	4781B
Petroleum products, other (in Supplement 2 to Part 777)	4782B
Photo-voltaic cells “	1205A
Photographic equipment (specified)	1585A
Photographic equipment (specified)	4585B
Photographic film/plates (specified)	1585A
Photosensitive components (specified)	1548A
Pipe/valves/heat exchangers, stainless steel/corrosion resistant	4128B
Polygraphs/psychological testing machines	5597B
Polymeric substances/manufactures (specified)	1746A
Potentiometers, induction/precision (specified)	1568A
Power sources, radioactive materials-based	1205A
Preforms for fabrication optical transmission fibers	1767A
Presses and specialized controls/accessories	1312A
Pressure refueling equipment	2410A
Protection/restraint equipment for personnel, n.e.s.	5999B
Protective/restraint equipment, nonmilitary	5680B
Pumps (specified, not in 1129A)	1131A
Quartz crystals/assemblies for electronic use	4587B
Radar and related equipment	1501A
Radio receivers (specified)	1516A
Radio receivers, digitally controlled (specified) and parts/accessories therefor	1531A
Radio-relay equipment (specified)	1520A
Radio spectrum analyzers (specified) and parts/components therefor	1533A
Radio transmitters/transmitter-amplifiers (specified) and components/accessories/ subassemblies therefor	1517A
Radioisotopes (specified)	4720B
Recording/reproducing equipment (specified) and its recording media	1572A
Residual fuel oils	4782B
Rings/single-convolution bellows (specified)	4676B
Robots, controllers and robot end-effecters and components	1391A
Sapphire substrates, single-crystal	1757A
Searchlights (designed for military use)	2317A

COMMODITY DESCRIPTION	ECCN
Semiconductor device manufacturing equipment	1355A
Semiconductor Hall fuel probes	1568A
Semiconductor/microcircuit device test equipment	1355A
Sensing equipment, corrosion-resistant (specified)	4678B
Shock batons	5998B
Shotguns (specified)	5998B
Straight jackets	5999B
Stored program controlled communication switching equipment/systems/ technology and specially designed components	1567A
Submersible systems (specified)	1417A
Substances, monomeric and polymeric (specified)	1754A
Super-conductor electromagnetic and solenoids	1573A
Super-conductor materials of all types and processed conductors (specified)	1675A
Super-conductor metals/alloys/compounds/composites	2120A
Superconducting electromagnets/wire/cable	2120A
Synchronous motors (specified)	1568A
Synchros/resolvers	1568A
Syntactic foam for underwater use	1759A
Telemetry/telecontrol equipment (specified)	4518B
Telephone switching systems (specified)	1567A
Tire casings (specified)	2406A
Transmission equipment, single-/multi-channel (specified)	1519A
Tubes/pipe/fittings, pressure (specified)	4635B
Tubes, photomultiplier (specified)	1549A
Tubes, television camera (specified)	1555A
Tubing, cylindrical (specified)	4675B
Underwater breathing apparatus (specified)	2317A
Underwater detection/locating equipment	1510A
Uranium hexafluoride mass spectrometers (specified)	4530B
Uranium hexafluoride production plants	3336A
Uranium, depleted (specified)	4698B
Valves (specified)	3131A
Valves, pipe (specified)	4127B
Vehicles designed for military use	2406A
Vessels (specified, including hydrofoils) and parts/accessories, specified therefor	1416A
Vibration testing equipment (specified)	1362A
Viruses/viroids	4997B
Voice print analysis/identification equipment	4597B
Water tunnel equipment specially designed for development of vessels	1363A
Waveguides and components for (specified)	1537A
Wind tunnels (specified)	1361A
Wire/cable, coated for 1754A	1754A
X-ray systems, flash discharge (specified)	1553A
Zirconium metal/alloys (specified)	3604A